

## Summary of Federal Funding that comes through DWR

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Fund Center Description	Fiscal Year 07/08 Amount <sup>1</sup>	Web Link for Additional Information
<b>Integrated Storage Investigation - Federal (BCP)</b> The CALFED Integrated Storage Investigations (ISI) Program was formulated in 1999 to identify the appropriate role of storage in a comprehensive water management strategy and to develop and evaluate feasible storage alternatives to meet CALFED's broad objectives. Groundwater and surface water storage can be used to improve water supply reliability, provide water for the environment at times when it is needed most, provide flows timed to maintain water quality, and protect levees through coordinated operation with existing flood control reservoirs. The ISI Program, a joint planning effort by CALFED agencies, has facilitated the formation of collaborative partnerships to define the appropriate role of various storage options as a feasible solution to achieve CALFED program objectives. The program (1) promotes environmental protection and enhancement, (2) addresses local concerns and building consensus for taking action, and (3) encourages cost-sharing participation among CALFED agencies, stakeholders, and project beneficiaries.	\$2,237,000.00	<a href="http://calwater.ca.gov/content/Documents/library/integStorage03-99.pdf">http://calwater.ca.gov/content/Documents/library/integStorage03-99.pdf</a>
<b>Trinity River Restoration (Federal Trust Fund)</b> Following completion of the Trinity River Project in 1963, fish and wildlife populations along the Trinity River declined dramatically. To reverse this decline, a 13-agency Trinity River Basin Fish and Wildlife Task Force was formed in 1974, and State and federal funds were budgeted to define problems, develop solutions, and begin restoring the river. The Department of Water Resources provides the following services to the Trinity River Restoration Program: 1) engineering design of bank rehabilitation projects, 2) hydraulic modeling of the Trinity River near Lewiston to quantify impacts resulting from various dam release scenarios, 3) management of property owned by DWR used to dispose of sand removed from Grass Valley Creek, 4) attendance of management and technical meetings relating to Trinity River Restoration, and 5) providing survey control for various restoration projects throughout the Trinity River.	\$302,658.00	<a href="http://www.nd.water.ca.gov/PPAs/TrinityRiver/">http://www.nd.water.ca.gov/PPAs/TrinityRiver/</a>
<b>River Restoration (Federal Trust Fund)</b> River restoration includes work to restore or improve fisheries or riparian habitat on California rivers or streams. Projects could include reconnaissance, feasibility evaluation, preliminary design, construction, or inspection work on fish ladders, fish screens, removal of barriers, habitat restoration, or other related work.	\$1,083,200.00	<a href="http://www.dpla2.water.ca.gov/dplanav.cfm?nav=Environment,Restoration">http://www.dpla2.water.ca.gov/dplanav.cfm?nav=Environment,Restoration</a>
<b>Zebra Mussel Detection and Outreach Program</b> The primary objective of the Zebra Mussel Detection and Public Outreach Program is to prevent the alteration of aquatic habitat in the Delta and upstream environments by the establishment of zebra mussels, an invasive freshwater mussel, in California waters. This program entails a combination of public outreach and education activities, a risk assessment report for California, establishment of an early detection monitoring program and a rapid response plan for zebra mussel introduction to California. The program was originally a CALFED program (now California Bay-Delta Authority) to implement a component of CBDA's Ecosystem Restoration Program Strategic Plan to prevent or minimize impacts of introduced aquatic species in the Sacramento-San Joaquin Delta. The program is funded by the U.S. Fish and Wildlife Service.	\$34,000.00	<a href="http://www.des.water.ca.gov/zmwatch/early_detection/index.cfm">http://www.des.water.ca.gov/zmwatch/early_detection/index.cfm</a>
<b>San Joaquin River Management Program (Federal Trust Fund)</b> This program carries out the mandate of AB 3048 and SB 807, pursuing the implementation of actions recommended in the February 1995 final report, coordinating with the CALFED Bay-Delta Program and assisting the Department of the Interior in implementing the Central Valley Project Improvement Act (CVPIA). This program also conducts river restoration activities on river systems within the San Joaquin Valley.	\$50,830.00	<a href="http://www.sjimp.ca.gov/">http://www.sjimp.ca.gov/</a>
<b>Ecosystem Restoration (Federal Reimbursement)</b> This program component was established to develop a tidal restoration plan as part of the CALFED Ecosystem Restoration Program (ERP) 2000 proposal solicitation process. The Department of Water Resources, in cooperation with the U.S. Bureau of Reclamation, California Department of Fish and Game, Suisun Resource Conservation District, and the U.S. Fish and Wildlife Service are working collaboratively as the Suisun Marsh Preservation Agreement Environmental Coordination Advisory Team (ECAT). The agencies received funding under the CALFED ERP Grant 01-C04 to acquire and are preparing a restoration plan to restore tidal influence to a 70-acre parcel in Suisun Marsh. Upon implementation of the restoration plan, this project will contribute to CALFED's ERP goal of 5,000-7,000 acres of restored tidal wetlands in Suisun Marsh and meet conservation goals in Suisun under the 1981 USFWS biological opinion.	\$547,345.00	<a href="http://www.delta.dfg.ca.gov/erp/">http://www.delta.dfg.ca.gov/erp/</a>
<b>Agricultural Drainage Program (Federal Trust Fund)</b> The Agricultural Drainage Program seeks long-term solutions to control salinity and waterlogging problems caused by irrigation on drainage-impaired lands of the State, and in particular the San Joaquin Valley. The program collects, evaluates, and disseminates information, provides technical assistance to growers and local agencies, and conducts research and demonstration projects focusing on subsurface agriculture drainage water problems in the San Joaquin Valley, including reduction of harmful trace elements and salt separation and utilization. The Agricultural Drainage Program is divided into three major activities: participation in the multiagency San Joaquin Valley Drainage Implementation Program; Proposition 204 (Drainage Management Subaccount); and the San Joaquin Valley Agricultural Drainage Program.	\$191,170.00	<a href="http://www.sjd.water.ca.gov/drainage/pro204/">http://www.sjd.water.ca.gov/drainage/pro204/</a>

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<b>Water Quantity and Quality Measurement (Federal Trust Fund)</b> The Department of Water Resources' mission is to manage the water resources of California in cooperation with other agencies to benefit the State's people, and to protect, restore, and enhance the natural and human environments. In addition, DWR has a public trust responsibility and mission to protect and restore resources dependent on water. This program is in response to those goals. The authority includes DWR's Strategic Business Plan, the California Water Plan, and California Water Code (Section 229 and 231). Basic, timely, and accurate hydrologic data is required for sound policy and planning decisions. The Water and Environmental Monitoring program provides water data for development, monitoring, regulation, management, evaluation, and planning of the State's water resources. The program collects, analyzes, and disseminates surface water quantity and quality, groundwater quantity and quality, well completion reports, and precipitation data.	\$235,000.00	<a href="http://www.dpla2.water.ca.gov/dplanav.cfm?nav=Water_Quality">http://www.dpla2.water.ca.gov/dplanav.cfm?nav=Water_Quality</a>
<b>Coop Snow Surveys (Federal Trust Fund)</b> Department of Water Resources is responsible for forecasting runoff in all major water supply streams in the State, as directed by Section 228 of the California Water Code to "gather and correlate information and data pertinent to an annual forecast of seasonal water crop". This program analyzes snowpack and other hydrometeorologic data for the purpose of forecasting snowmelt runoff. Forecasts are disseminated in Bulletin 120, Water Conditions in California, by computer and other electronic means.	\$134,000.00	<a href="http://cdec.water.ca.gov/snow/">http://cdec.water.ca.gov/snow/</a>
<b>Interagency Ecological Program and Compliance Monitoring</b> The Interagency Ecological Program (IEP) consists of monitoring and special studies that provide information used to determine the effects of the State Water Project and Central Valley Project on the ecology of the San Francisco estuary, particularly the effects on fish resources. The IEP also completes work to determine the effects of selected non-project factors (e.g., contaminants and introduced species) to assess their importance relative to project effects. Information developed in this program is used in environmental impact analyses, mitigation negotiations, and consultations for biological opinions and in water rights hearings. The program includes monitoring elements mandated by the State Water Resources Control Board (Water Right Decision 1641), the NOAA Fisheries (biological opinions for winter-run and spring-run Chinook salmon, and steelhead), the U.S. Fish and Wildlife Service (biological opinions for delta smelt), and the Department of Fish and Game (biological opinions for winter-run, spring run salmon, and delta smelt). The program provides funding for the California Department of Fish and Game, the U.S. Fish and Wildlife Service, and the U.S. Geological Survey to conduct some of the required field studies. U.S. Bureau of Reclamation reimburses DWR for some of its costs. Non-Federal entities also reimburse DWR for some of its data management and other IEP costs.	\$2,083,000.00	<a href="http://iep.water.ca.gov/">http://iep.water.ca.gov/</a>
<b>Bay Delta Science Consortium (Federal Trust Fund)</b> The Bay-Delta Science Consortium Program is for the relocation and consolidation of staff, laboratory, and field operations. This effort will bring together science staff from Department of Water Resources, Department of Fish and Game, Bay-Delta Branch from Stockton, U.S. Fish and Wildlife Service Office in Stockton, U.S. Geological Survey Offices in Sacramento and Dixon, and U.S. Bureau of Reclamation staff from Sacramento. Consolidating these agencies will benefit the State, allowing multi-disciplinary, multi-agency scientists to work side-by-side. These staff comprise the Interagency Ecological Program and provide scientific expertise to Bay-Delta Authority programs and various other fish and wildlife activities of the State and federal agencies. Two facilities are required—one for the headquarters/administrative staff located at the UC Davis Enterprise Zone Research Park and one for the field staff located in the City of Rio Vista. The initial \$2 million is for a portion of one-time costs for IT equipment/installation and special tenant improvements.	\$2,000,000.00	<a href="http://www.baydeltaconsortium.org/">http://www.baydeltaconsortium.org/</a>
<b>Delta Fish Agreement (Federal Trust Fund)</b> This component is an element of the Delta Fish Agreement between the Department of Water Resources and the Department of Fish and Game to offset direct fishery losses in relation to the Harvey O. Banks Delta Pumping Plant. This element of the restoration program provides capitalized funding over a period of years to implement fisheries restoration programs or actions in the Sacramento-San Joaquin River system and the Bay/Delta that will benefit Chinook salmon, steelhead rainbow trout, and striped bass under the Delta Fish Agreement. The Directors of Water Resources and Fish and Game signed this Agreement on December 30, 1986. The Delta Fish Agreement was also the preferred mitigation alternative identified in DWR's final Environmental Impact Report to install four additional pumps at the Delta Pumping Plant.	\$822,000.00	<a href="http://www.des.water.ca.gov/mitigation_restoration_branch/fourpumps/index.cfm">http://www.des.water.ca.gov/mitigation_restoration_branch/fourpumps/index.cfm</a>
<b>Maintenance and Operation - Sacramento Maintenance Yard - Federal Trust Fund</b> This program component provides for the operation, maintenance, and repair of units of the Sacramento River Flood Control Project designated in Section 8361 of the Water Code.	\$58,828.00	n/a

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<b>Floodplain Management (Federal Trust Fund) (FEMA)</b> <b>FEMA Community Assistance Program - State Support Services Element</b> <b>FEMA Digital Flood Insurance Rate Map Conversion</b> Floodplain Management plans for flood events and studies flood prone lands to reduce or eliminate future flood losses. Activities consist of identifying and delineating those lands subject to inundation and then permitting only those developments compatible with the flood hazard or developing flood hazard mitigation plans in areas already developed. The Department of Water Resources, in State Executive Order B 39-77, is designated as the State Coordinator for FPM. The Department's FPM coordination involves work with all levels of government--federal, State, and local, as well as interaction with the public, to bring about awareness and action for effective floodplain management.	\$684,179 \$600,000 \$104,000	<a href="http://www.fpm.water.ca.gov/">http://www.fpm.water.ca.gov/</a>
<b>Flood Forecasting Operations and Hydrology - Field Operations</b> The forecasting program staff conducts flood hydrology studies and provides year-round expertise to all departmental units in the formulation and review of flood and water management issues. During the flood season (October through May), the forecasting program staff monitors the weather and river flows on a 24-hour basis for the major river systems in California. In cooperation with the National Weather Service, the forecasting program staff prepares river stage and tide forecasts at 58 locations as frequently as required by changing flood conditions. Enacting legislation for component programs is Water Code Sections 226-236.	\$180,993.00	<a href="http://www.cnrfc.noaa.gov/flood_forecasting.php">http://www.cnrfc.noaa.gov/flood_forecasting.php</a>
<b>Supervision of Safety of Dams (Federal Reimbursement)</b> Division 3 of the California Water Code places the supervision for safety of all non-federal dams and reservoirs larger than a specified minimum size under the jurisdiction of the California Department of Water Resources. The California Water Code provisions are administered by DWR through the Division of Safety of Dams.	\$100,000.00	<a href="http://www.damsafety.water.ca.gov/">http://www.damsafety.water.ca.gov/</a>
<b>Services to Other Agencies - Northern District (Federal Trust Fund)</b> Over the years, other State, federal, and local agencies have asked for technical and engineering services from the Department of Water Resources. This component enables the District to respond to anticipated requests for services. Output varies by contract and ranges from memorandum reports to technical information reports, data analyses, lab analyses, or water management plans.	\$59,210.00	<a href="http://www.nd.water.ca.gov/PPAs/index.cfm">http://www.nd.water.ca.gov/PPAs/index.cfm</a>
<b>USBR Battle Creek Salmon/Steelhead Restoration (Federal Trust Fund)</b> The Battle Creek Salmon and Steelhead Restoration Project is a multi-agency project whose purpose is to restore approximately 42 miles of habitat in Battle Creek, northeast of Red Bluff, California, and an additional 6 miles of habitat in its tributaries while minimizing the loss of clean and renewable energy produced by the Battle Creek Hydroelectric Project. DWR's responsibility in the project is to design fish ladders, fish screens, and associated fish passage facilities at three diversion dams: Inskip Diversion Dam, Eagle Canyon Diversion Dam and North Battle Creek Feeder Diversion Dam, and to provide technical support during construction. The Bureau of Reclamation is the lead agency for this CALFED project and reimburses the Department through an interagency agreement.	\$556,896.00	<a href="http://www.nd.water.ca.gov/PPAs/FishPassage/">http://www.nd.water.ca.gov/PPAs/FishPassage/</a>
<b>Service Other Agencies - Geodetic (Federal Trust Fund)</b> This component is for construction contract administration and construction supervision services requested by other State agencies. The Department of Water Resources is one of only five State agencies authorized to enter into State Contract Act contracts; Division of Engineering staff is called upon by various State agencies to do work that the requesting agencies are unable to perform.	\$292,884.00	<a href="http://www.doe.water.ca.gov/services.cfm">http://www.doe.water.ca.gov/services.cfm</a>
	\$10,969,014.00	

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